Early Journal Content on JSTOR, Free to Anyone in the World

This article is one of nearly 500,000 scholarly works digitized and made freely available to everyone in the world by JSTOR.

Known as the Early Journal Content, this set of works include research articles, news, letters, and other writings published in more than 200 of the oldest leading academic journals. The works date from the mid-seventeenth to the early twentieth centuries.

We encourage people to read and share the Early Journal Content openly and to tell others that this resource exists. People may post this content online or redistribute in any way for non-commercial purposes.

Read more about Early Journal Content at http://about.jstor.org/participate-jstor/individuals/early-journal-content.

JSTOR is a digital library of academic journals, books, and primary source objects. JSTOR helps people discover, use, and build upon a wide range of content through a powerful research and teaching platform, and preserves this content for future generations. JSTOR is part of ITHAKA, a not-for-profit organization that also includes Ithaka S+R and Portico. For more information about JSTOR, please contact support@jstor.org.

Washington University, St. Louis, Mo.
University of Montana, Missoula, Mont.
Creighton University, Omaha, Nebr.
Rutgers College, New Brunswick, N. J.
New York State College for Teachers, Albany, N. Y.
University of Buffalo, Buffalo, N. Y.
The College of the City of New York, New York, N. Y.
The Cooper Union, New York, N. Y.
Case School of Applied Science, Cleveland, Ohio.
Western Reserve University, Cleveland, Ohio.
Ohio State University, Columbus, Ohio.
Ohio Wesleyan University, Delaware, Ohio.
Kenyon College, Gambier, Ohio.
Oberlin College, Oberlin, Ohio.
Lake Erie College, Painesville, Ohio.
Albright College, Myerstown, Pa.
Drexel Institute, Philadelphia, Pa.
Carnegie Institute of Technology, Pittsburgh, Pa.
Swarthmore College, Swarthmore, Pa.
University of Texas, Austin, Tex.
Southern Methodist University, Dallas, Texas.
Baylor University, Waco, Texas.
Middlebury College, Middlebury, Vt.
University of Virginia, University, Va.
University of Washington, Seattle, Wash.

SUMMARY OF CHARTER MEMBERSHIP.

Individual members whose acceptances have been received	1,028
Individuals elected as signers of the "Call" or participants in the Columbus meeting, from whom no word has been received	18
Institutional members	52
Total	1,098

In addition to the above figures, there are on the MONTHLY subscription list the names of 141 persons who have not as yet become members of the ASSOCIATION, and of 176 libraries not included among the institutional members.

NOTES AND NEWS.

EDITED BY D. A. ROTHROCK, Indiana University.

Dr. DUNHAM JACKSON has been promoted to an assistant professorship of mathematics at Harvard University.

Mr. C. GARLOUGH has been appointed instructor in mathematics at Wheaton College, Illinois.

The death is announced of Professor J. W. RICHARD DEDEKIND, of the technical school of Brunswick, Germany.

In *Science* of March 3, Professor E. V. HUNTINGTON has a short and interesting discussion on "The fundamental equation of mechanics."

Miss S. F. RICHARDSON, assistant professor of mathematics in Vassar College, died on Feb. 2, 1916. Miss Richardson was a graduate of Vassar, and for thirty years has been a member of the teaching staff.

Professor ARNOLD EMCH, of the University of Illinois, has an interesting non-technical article in *The Scientific Monthly*, March, 1916, on "The representation of large numbers and infinite processes."

At Smith College, Miss HARRIET R. COBB has been promoted to a professorship of mathematics, Miss PAULINE SPERRY has been appointed assistant professor of mathematics, and Dr. MARY B. HOPKINS has been promoted to an associate professorship of astronomy.

In the *Journal of Educational Psychology* for February, Professor H. L. RIETZ has a statistical paper on "The correlation of marks of students in mathematics and in law."

A paper prepared by President Emeritus CHARLES W. ELIOT for the General Education Board on "Changes needed in American secondary education" appeared in *School and Society,* March 16.

A Plane Geometry by C. G. PALMER, associate professor of mathematics in the Armour Institute, and D. P. TAYLOR of the Oak Park High School, Chicago, has appeared from the press of Scott, Forsman & Co.

The following Cambridge tracts in mathematics are announced to appear soon: "The definite integral," by E. W. HOBSON; "An introduction to the theory of attraction," by T. J. BROMWICH; "Pascal's hexagon," by H. W. RICHMOND; "Lemniscate functions," by G. B. MATHEWS; "Chapters on algebraic geometry," and "Integrals of algebraic functions," by T. H. BAKER.

The publishing house of Lyons and Carnahan, Chicago, have just issued a text on Solid Geometry for secondary schools by J. H. WILLIAMS, teacher of mathematics in the Urbana, Ohio, High School, and K. P. WILLIAMS, assistant professor of mathematics at Indiana University. This book is the sequel to the authors' Plane Geometry, which appeared some months ago.

A second edition of E. T. WHITTAKER'S "A course of modern analysis" has appeared from the Cambridge University Press. The same publishers also announce "Euclid's book on division of figures" with a restoration based on Woepcke's text, by Professor R. C. ARCHIBALD, of Brown University. This book of 188 pages is a restoration of Euclid's ninth book, which has not heretofore been attempted in English.

The January number of *Proceedings of the London Mathematical Society* contains the following papers: "On Dirichlet's divisor problem," by G. H. HARDY; "On periodic irrotational waves at the surface of deep water," by W. BURNSIDE; "Proof of the complementary theorem," by J. C. FIELDS; "On integrals and derivatives with respect to a function," by W. H. YOUNG; "The effect on the tides of variation in the depth of the sea," by G. R. GOLDSBROUGH; "The second theorem of consistency for summable series," by G. H. HARDY.

The American Journal of Mathematics for January contains the following papers: "The oscillations of an orthogonal set," by O. D. KELLOGG; "On some properties of the medians of closed continuous curves formed by analytic arcs," by ARNOLD EMCH; "Theorems on groups of isomorphisms of certain groups," by L. C. MATHEWSON; "Self-projective rational sextics," by R. M. WINGER; "On linear difference and differential equations," by C. E. LOVE; "The uniform motion of a sphere through a viscous liquid," by R. W. BURGESS; "Note on the theory of optical images," by G. STEIN.

A reprint from the Napier Tercentenary memorial volume, published by the Royal Society of Edinburgh, contains a short article by the veteran mathematician, ARTEMAS MARTIN, LL.D., of Washington, on "A method of finding without the use of tables the number corresponding to a given natural logarithm." The memorial volume also contains an address by Professor D. E. SMITH on "The law of exponents in the works of the sixteenth century," delivered at the Napier Tercentenary.

The Mathematics Teacher, September, 1915, contains an instructive address by Professor A. D. PITCHER, of Dartmouth College, delivered before the Association of Mathematics Teachers of New England on the "Reorganization of the mathematical curriculum in the secondary schools." Professor Pitcher's conclusions indicate that: (1) No serious change should be made in the curriculum of the secondary school until after careful consideration based upon skilled experimentation; (2) much of the criticism against the curriculum will disappear with the increasingly careful and thorough preparation of teachers; (3) we should let our conservatism operate only to prevent the adoption of reform measures without due experimentation and experimental evaluation; (4) the curriculum at present is good; however, the following minor changes are suggested: (*a*) omission of difficult technique of algebra; (*b*) intuitional approach to geometry; (*c*) introduction of the function concept early in algebra; (*d*) introduction of the elements of trigonometry.

The Mathematics Club of Mt. Holyoke College is an organization of junior and senior students in mathematics, and the members of the mathematical teaching staff, one of whom is on the executive committee. The purpose of the club as stated in its constitution is "to present to its members a broader view of mathematics." Attendance and membership are voluntary. Regular meetings are held once a month, a number during the year being social gatherings; the remaining meetings consist of regular programs for presentation of papers and reports by student and faculty members, upon various historical and non-technical features of mathematics.

Summer courses in graduate and undergraduate mathematics are offered by a large number of colleges and universities. Below are enumerated those courses already announced, so far as they have come to the notice of the editor.

DARTMOUTH COLLEGE: Summer session, July 16 to August 16. By Professor J. W. YOUNG: The reorganization of secondary school mathematics.—By Proessor E. G. BILL: Plane analytic geometry; Projective geometry.

INDIANA UNIVERSITY: Summer session, June 15 to August 11. By Professor S. C. DAVISSON: Differential geometry, 5 hrs.; Projective geometry, 3 hrs.—By Professor D. A. ROTHROCK: Fourier series, 3 hrs.; Differential equations, 5 hrs. —By Professor U. S. HANNA: Solid analytic geometry, 5 hrs.; Elementary calculus, 5 hrs.—By Professor K. P. WILLIAMS: Advanced calculus, 5 hrs. Courses in college algebra, trigonometry, and analytic geometry will also be given.

UNIVERSITY OF MICHIGAN: Summer session, July 30 to August 25. By Professor W. W. BEMAN: Differential equations; Teacher's course in algebra and geometry.—By Professor J. L. MARKLEY: Functions of a complex variable; Advanced analytics; Advanced algebra.—By Professor W. B. FORD: Advanced calculus; Theory of potential; Infinite series and products.—By Professor L. C. KARPINSKI: History of mathematics.—By Dr. C. H. FORSYTH: Mathematical theory of finance, insurance and statistics.—By Dr. V. C. POOR: Calculus.—By Mr. COE: Calculus; Mechanics. Courses in elementary algebra, trigonometry and analytics are also announced.

UNIVERSITY OF WISCONSIN: Summer session, June 26 to August 14. By Professor E. B. SKINNER: Differential geometry; Linear substitutions; Complex numbers.—By Professor H. W. MARCH: Theoretical mechanics; Infinite series. —By Professor H. C. WOLFF: Probabilities and statistics; Differential calculus. —By Professor W. W. HART: Analytic geometry.—By Mr. TAYLOR: Elementary analysis for engineering students.—By Mr. PAINE: Integral calculus.—By Mr. SIMPSON: Mathematical theory of investment for students of commerce. The usual elementary courses in geometry, algebra and trigonometry are also provided.

THE UNIVERSITY OF CHICAGO: Summer session, June 17 to September 1. By Professor E. H. MOORE: Theory of limits (first term); Integral equations in general analysis (first term).—By Professor G. A. BLISS: Integral calculus; Theory of functions of a real variable.—By Professor L. E. DICKSON: Substitution groups and algebraic equations; Solution of numerical equations (first term); Determinants and symmetric functions (second term).—By Professor H. E. SLAUGHT: Differential calculus; Elliptic integrals.—By Professor F. R. MOULTON: Theory of infinite series (second term); Theory of functions of infinitely many variables (second term).—By Professor J. W. A. YOUNG: Selected topics in mathematics.—By Professor W. D. MACMILLAN: Descriptive astronomy; Introduction to celestial mechanics.—By Professor ARTHUR RANUM: Metric differential geometry.—By Dr. C. R. DINES: Differential equations. Courses in trigonometry, college algebra, and plane analytic geometry are announced; and also courses in reading and research for advanced students. The mathematical club meets each week for the reports of research and the consideration of questions of teaching, alternating these topics.